

Motor Brake/Resistive Brake Connector

BC Pin	Description	Signal
6	Motor brake connections	MBRK-
5		MBRK+
4	Motor brake common	COM
3	+24V brake input power (from LIM module or customer supplied)	PWR
2	RBM module connections (from RBM module and safety string)	DBRK-
1		DBRK+

Power Wiring Requirements

Wire must be copper with 75 °C (167 °F) minimum rating. Phasing of main AC power is arbitrary and earth ground connection is required for safe and proper operation.

IMPORTANT The National Electrical Code and local electrical codes take precedence over the values and methods provided.

IAM Module Power Wiring Requirements

Module	IAM Module Cat. No.	Description	Terminals		Recommended Wire Size mm ² (AWG)	Strip Length mm (in.)	Torque Value N·m (lb·in)
			Pin	Signal			
IAM (460V)	2094-BC01-Mxx-M 2094-BC02-M02-M	DC bus ⁽¹⁾ and VAC input power	IPD-1	DC-	10...2.5 (8...14)	10 (0.38)	1.2...1.5 (10.6...13.2)
	2094-BC04-M03-M		IPD-2	DC+	10...6 (8...10)	16 (0.63)	2.4...3.0 (21.6...26.5)
			IPD-3	$\frac{L1}{L2}$			
	2094-BC07-M05-M		IPD-4	L3	30 (3)		
			IPD-5	L2			
			IPD-6	L1			
	2094-BCxx-Mxx-M	Control input power	CPD-1	CTRL 2	4...2.5 (12...14)	10 (0.38)	0.5...0.6 (4.4...5.3)
			CPD-2	CTRL 1			
		Contactor Enable	CED-1	CONT EN-	4...2.5 (12...14) ⁽²⁾		0.5...0.6 (4.4...5.3)
			CED-2	CONT EN+			

(1) Keep DC common-bus connections (leader IAM to follower IAM module) as short as possible.

(2) The actual gauge of the contactor enable wiring depends on the system configuration. Consult your machine builder, the NEC, and applicable local codes.